**Interview Questions**:

1. What is class?

In Class, we can define variables and methods. Class is userdefined

1. What do you mean by inheritance?

Extending the properties of one class into another class is known as Inheritance

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1. Which are the types of inheritance?

1.Single Inheritance

2. Multi-level Inheritance

3.Multiple Inheritance

4.Hierarchical Inheritance

5.Hybird Inheritance

1. What is use of static keyword?

* Mainly used for Memory Management
* Used to share the same variable or method of a given class

1. What do you mean by constructor?

It is similar to method used to initialize Non-Static variables with dynamic input values

Or

Constructor is used to initialize an object.

* It name must be class name.
* It should not have any return type.

1. Tell me the types of constructors.
2. Parameterized Constructor
3. Non-Parameterized Constructor

8. What are the different ways of creating objects in Java?

* Using Keyword
* Using clone

1. What is use of instance of operator?

It is used to create objects. It is also one of the way to create object.

1. What are checked and unchecked exceptions?

* Checked Exceptions are Identified During Compilation.
* Unchecked Exceptions are checked during Run-Time.

1. What are different types of Checked exceptions?

* ClassNotFoundException
* IOException
* FileNotFounfException

1. What are different types of Unchecked exceptions?

* ArithmeticException
* ArrayIndexOutOfBoundException
* NumberFormatException
* NullPointerException

1. Explain the use of “throws” keyword?

It is used to throw multiple Exception.

1. How to create user defined exception?

By extending Exception.

For eg: public class MyException extends Exception{

}

1. Can you explain the finally keyword?

Finally is irrespective of whether the exception occurs or not. Actually finally is a block and final is keyword.

1. What is default value of static word?

Zero(0).

1. What is interface and its use?

It doesn’t contain any implementation.

It is use to set standard.

1. What are marker interface? Can you list out some marker interfaces?

It is a empty Interface with no fields, methods, constants etc.,

* Serializable Interface
* Remote Interface
* Cloneable Interface

1. What are wrapper objects? List out some of the wrapper objects.

Conversation of Primitive datatypes into objects is called wrappr objects.

* Integer
* Boolean
* Double
* Long
* Short
* Character

1. What is boxing and unboxing?

Boxing conversation of primitive datatypes to wrapper class where as unboxing vice versa.

1. Which is cosmic super class for all the java classes?

Object Class.

1. What are methods of Object super class?

* toString()
* clone()
* equal()
* wait()
* finalize()

1. What is use of this() keyword?

It is used to refer for current class

1. What is use of super() keyword?

It is used to call super class method.

1. What is serialization? How to achieve it?

Serialization is a mechanism of converting the state of an object into a byte stream.

It is achieved by implementing the serializable.

1. What is use of transient keyword?

It ignore the members in the process of serialization.

1. What is shallow cloning? How to achieve it?

Copy of the existing object which points to same heap memory.

It is achieved using clone().

1. What are the properties of HashSet?

* Unordered
* Unique key
* Use hashing techniques to store

1. Explain Comparator and Comparable interface.

Comparator provides compare () to sort the elements, multiple elements sort at a time.

Comparable provides compareto() to sort the elements, single elements sort at a time.

1. How to convert List to Array and vice-versa?

* Array to List: List<Book01>book=newArrayList<Book01>();
* List to Array: List<Integer>myList=Arrays.asList{12,13,14,15,16,17};

1. How to achieve inheritance in Java?

Using extend Keyword.

1. Which collection provides the sorted collection?

Sorted set.